AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
J	1 | 3

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO.(If applicable)
0004	07-Sep-2004	W26GLG-4190-2969	62085

6. ISSUED BY	CODE	7. ADMINISTERED BY (If other than item 6)	CODE
USA ENGINEER DISTRICT, NORFOLK CONTRACTING OFFICE 803 FRONT STREET NORFOLK VA 23510-1096	W91236	**See Item 6**	

8. NAME AND ADDRESS OF CONTRACTOR (No., Street, County, State and Zip Code)		
	X	9A. AMENDMENT OF SOLICITATION NO. W91236-04-B-0019
	X	9B. DATED (SEE ITEM 11) 29-Jul-2004
		10A. MOD. OF CONTRACT/ORDER NO.
		10B. DATED (SEE ITEM 13)
CODE / FACILITY CODE		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offer [ ] is extended, [X] is not extended.

Offer must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing Items 8 and 15, and returning 1 copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. ACCOUNTING AND APPROPRIATION DATA (If required)

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

[ ] A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.

[ ] B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(B).

[ ] C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:

[ ] D. OTHER (Specify type of modification and authority)

E. IMPORTANT: Contractor [ ] is not, [ ] is required to sign this document and return _____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

AMENDMENT NO. 0004 to W91236-04-B-0019, Repair Barracks 8400 and Dining Facility, Fort Lee, VA, is hereby amended as follows:

See continuation page.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. NAME AND TITLE OF SIGNER (Type or print)	16A. NAME AND TITLE OF CONTRACTING OFFICER (Type or print)
	TEL: EMAIL:

15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES OF AMERICA	16C. DATE SIGNED
(Signature of person authorized to sign)		BY (Signature of Contracting Officer)	07-Sep-2004

SECTION SF 30 BLOCK 14 CONTINUATION PAGE

The following items are applicable to this modification:
CONTINUATION PAGE

W91236-04-B-0019 AMENDMENT 0004
REPAIR TO BARRACKS 8400 AND DINING FACILITY, FORT LEE, VA

1. Delete Biding Schedule and Replace with the attached Schedule (adding Optional Bid Item No. 0004).

2. Technical Specifications and Drawings are hereby changed in accordance with the attached. Please make changes.

3. Also provided are Questions and Answers.

W91236-04-B-0019, REPAIR BARRACKS BLDG. 8400 AND DINING FACILITY, FORT LEE, VA

SECTION 00010
AMENDED BIDDING SCHEDULE
(Amendment 0004)

SCHEDULE I - BASE

ITEM NO.	ITEM	LUMP SUM ($)
0001	All construction work for repairs to Bldg 8400, complete, including all work incidental thereto as shown on drawings and as specified, exclusive of times 0002, 0003 and 0004.	
0002	All costs in connection with As-Built Drawings as specified from preparation to final, complete, including all work incidental thereto as shown on drawings and as specified, exclusive of items 0001, 0003 and 0004.	
0003	All work for O&M manuals as specified from preparation to final, complete, including all work incidental thereto as shown on the drawings and as specified, exclusive of items 0001, 0002 and 0004.	
	TOTAL FOR SCHEDULE I	

SCHEDULE II – OPTION #1.

ITEM NO.	ITEM	LUMP SUM ($)
0004	All costs in connection with replacement of security system complete as outlined in Optiona Bid Item #1 replacement note: Drawing sheet E0001- DEMOLITION AND NEW WORK NOTE 2, exclusive of Items 0001, 0002 and 0002.	
	TOTAL FOR SCHEDULE II	
	TOTAL OF ALL ITEMS (Schedule I and Schedule II)	

CONTINUATION SHEET FOR AMENDMENT 0004, BLDG. 8400 AND DFAC, FORT LEE, VA

QUESTIONS & ANSWERS

1. Spec. Section 13815 - 2.7; Section requires wall modules with setpoint and override capability. DDC points list shows only return air temperature sensors for fan coil units. Confirm that no wall sensors are required. Also, there are many instances where more than one fan coil unit serves the same room. Typical practice is for one temperature sensor in an area served by multi-units to control all units. Will one return air temperature sensor be sufficient to control all units in that area or will all units need to have their own control setpoint. The fan coil units will be controlled by temperature sensors in the return air stream. Sensors should be located inside the fan coil unit casing and as far as possible from the outside air inlet to ensure space temperature is accurately monitored. In rooms where multiple fan coils units are installed (Squad Rooms), a sensor for each unit is not required. Two temperature sensors, one for each group of three fan coil units on each side of the room is acceptable.

2. Spec. Section 15951 - 2.12.4.3; Indicates that terminal unit controllers (DDC in this case) are to be sent to the terminal unit manufacturer for factory mounting and wiring. Fan Coil units are defined as terminal units per 15895 – 2.11.1. It is unclear if the fan coil unit suppliers are required to mount and wire DDC controls. Please confirm. Factory mounting of controllers is required.

3. Spec. Section 15951 – 2.8.3 call for the direct digital control system supplier to provide a speed switch for the fan coil units. The fan coil equipment schedule (M002) says to set the speed switches to high on each fan coil unit. It is common practice, and much more efficient and cost effective, for fan coil unit suppliers to provide a factory wired speed switch. Who should provide this switch? A factory supplied and mounted speed switch is acceptable.

4. Drawing M002 fan coil schedule note 4 indicates that the fan coil units are to be provided with a control valve. Is this valve to be furnished by the fan coil unit manufacturer or the direct digital control contractor? Also, per the same note are aquastats required even though these units will be controlled by a DDC system not a thermostat? The controls contractor shall provide the valve for factory installation. Aquastats for each fan coil unit are NOT required since the DDC system will have the capability to lock-out the units, if necessary.

5. Spec. Section 15620 – 2.7.3 requires a chiller control panel that is “fully coordinated with and integrated into the temperature control system.” Spec. section 15951 - 2.12.5 & 2.12.6 require chiller and boiler control panels with similar requirements. Is a direct digital system network interface required to the chiller and boilers? If so, what points need to be integrated and what connection method is required? BACnet, LONworks, Modbus, other? Also, if yes, are the boiler and chiller manufactures required to provide in their bid the cost to provide such an interface to their systems? Fort Lee typically accomplishes demand limiting by enabling/disabling chillers. Therefore, the DDC system must only provide an enable/disable signal to the chiller’s factory controller. The central post must have the ability to communicate to the local DDC system that disabling/enabling is required. Boilers shall be provided with factory controllers. The sequence requires only that the boilers be enabled or disabled, which can be accommodated by a set of contacts in the boiler’s controller.

6. Drawing M702 exhaust fan detail indicates start/stop control, status monitoring, and space temperature monitoring is required. Is this a requirement for all exhaust fans in the facility? Many are shown on the electrical drawings as controlled by a light switch. The only exhaust fans that appear to need this level of control are fans C8 & C9. Base specific anti-terrorism sequences generally required all air moving equipment to be shutdown on a central EMCS command. If this requirement holds true on this project

then all exhaust fans could be provided with remote stop command capability but is status and space temperature monitoring required for all? All rooftop exhaust fans are required to have start/stop control and status monitoring. (Emergency stop is required.) None of the rooftop fans require temperature control. The only fans with wall-switch controls are the small, cabinet-type fans serving private restrooms (4 total). The limited capacity of these fans does not justify the use of interfacing with the DDC system to provide emergency stopping.

7. What is the required direct digital control system points and sequence of operations for the various kitchen exhaust fans and make-up air units. What is required on the existing make-up air units? Kitchen exhaust fans are energized by control panels serving their associated hoods. In the case of the dishwasher exhaust, the existing switch should be reused. Again, all rooftop fans shall have status monitoring and start/stop control by the DDC system (for emergency shutdown and re-enabling). A sequence of operation for rooftop makeup air units shall be provided. Generally, these units will be interlocked with their associated kitchen hood controller to run when the exhaust fans are energized. The units will modulate gas heat output (if required) to maintain a constant discharge air temperature.

8. Specifications indicate 3/4 in. minimum conduit, E001 indicates 1/2 inch. Which is correct? ¾" is the minimum conduit size.

9. E303 Exterior fixture at points of entrance/exit. What type fixture is this? Is it existing to be reused? Reuse the existing fixture.

10. Division 15 indicates Starters by mechanical. Div 16415 list Starter types. E604 equipment schedule list starter types. Which trade furnishes Starters? Refer to Mechanical Equipment Connection Schedule.

11. What procedure needs to take place for site visits? Contact Mark Bishop at Fort Lee, (804) 734-4041.

12. Specifications indicate 3/4 in. minimum conduit, E001 indicates 1/2 inch. Which is correct?
¾" is the minimum conduit size.

13. E303 Exterior fixture at points of entrance/exit. What type fixture is this? Is it existing to be reused?
Reuse the existing fixture.

14. Division 15 indicates Starters by mechanical. Div 16415 list Starter types. E604 equipment schedule list starter types. Which trade furnishes Starters?
Refer to Mechanical Equipment Connection Schedule.

15. Security, ADT, Are we to include cost for the ADT portion of this work? Will ADT disconnect and reinstall security equipment, camera, door switches, intercom etc? Work on the security system is indicated on note 2, sheet E001.

16. Will there be demolition in reference to electrical Site Work? Required demolition work is indicated in the contract documents.

17. On Sheet S301 there is a Precast Concrete Lintel Schedule. Note 1 says, "See Architectural drawings for size and location of openings requiring precast concrete lintels." It is not apparent on the Architectural drawings which opening are to receive precast concrete lintels. Please clarify.

LOCATIONS OF PRECAST CONCRETE LINTELS
DOORS - K106, K110, K111, 320A, 320B, 321A & 321B

18. Is the 3/4" Synthetic Stone Window Sill shown in detail 4/A503 existing or new? NEW Is the only location of this sill at plan 1/A401? YES Are there new window sills anywhere else in the building? **YES - TOILETS 104AA, 104AB**

19. I note 5 on sheet AD102, what does the abbreviation "GSFU" mean?
NOTE SHOULD READ "GSU" - GLAZED STRUCTURAL UNIT

20. Please confirm that the whole roof does not get demolished and replaced. From the documents, I understand that the roof only gets demolished and replaced where new equipment or penetrations are being placed. **CORRECT - REFER TO NOTES ON SHEET A114, ROOF PLAN AND ROOF DETAILS**

DRAWINGS

OPTIONAL BID ITEM #1 (Base Bid shall be removal and reinstallation of security system as indicated)

Drawing sheet E001- Delete DEMOLITION AND NEW WORK NOTE 2 and replace with the following note:

2. Provide security system work as follows:

a. Carefully remove for Government salvage all existing security system devices and equipment including control panels, cameras, monitors, door contacts, access pushbuttons, alarm devices, motion sensors, etc, as indicated on the demolition plans. Package devices and equipment in labeled boxes for safe transport. Deliver to the Government at the location on the Fort Lee Installation as directed by the Contracting Officer's Representative (COR). Remove all existing security system conduit and cable and dispose of as demolition waste.

b. Provide a new security system, complete and fully functional in each Wing A and Wing B of Building 8400. Each system (Wing A system and Wing B system) shall be capable of complete and independent operation. System shall include new equipment and devices (controls, cameras, sensors, switches, etc) to replace the equipment and devices indicated for removal in note 2a above. Unless otherwise indicated, replacement shall be one-for-one in quantity, functional type and location, i.e. where demolition plans indicate a camera for removal, provide a new camera. System shall be connected to, communicate with and fully compatible with the existing ADT central alarm reporting head-end equipment located in Building 8045 and satellite monitoring sites at Buildings 8040 and 8526. Reporting shall be programmed to report only system trouble to the central alarm reporting system. Provide all necessary programming at these three buildings by an ADT trained and authorized technician to provide specified system monitoring. Provide new wiring (cable in conduit) as required for a fully operational system. All systems shall be hardwired in metal raceway. Where wiring must be run exposed, paint raceway/conduit to match adjacent finish. All equipment installation and connection shall be performed by a licensed Contractor, trained and certified by the equipment manufacturer. Contractor shall possess a Department of Criminal Justice Service (DCJS) registration that authorizes him to apply his trade in the Commonwealth of Virginia. All work shall be in accordance with the manufacturer's installation recommendations and requirements, NFPA 70, NFPA 101, local Codes and regulations. Local vendor contacts for the existing central reporting system are:

Mr. Keith Sidel
ADT Security Systems
8227 Hermitage Road
Richmond, VA 23228
(804) 515-1899; Cell (804) 402-5524
or

Mr. Jim Rudolf
(703) 317-4233; Cell (703) 963-3593

c. The new security system in Building 8400 shall include, but is not limited to, intrusion detection, closed circuit television (CCTV) and access control. All equipment shall be suitable for the installation environment. System shall include a graphical display that will allow monitoring personnel to quickly identify the specific area, door or sensor where a violation has occurred.

The CCTV monitoring system shall include, but is not limited to, fixed digital mini-dome black and white cameras capable of low light operation; digital video recorder (DVR) with multiplexing capability for every camera, with at least 30 days of storage capacity; video controller with programming capability; and twenty one inch flat panel video display monitor. Monitors shall be configured to automatically display and record areas where an alarm is activated. Local monitoring and control locations shall be in Room 116A and Room116B.

The access control system shall include, but is not limited to, magnetic door locks which are released by panic hardware from inside the building; access controller with programming capability, back-up battery power supply, connected to the fire alarm system so that the doors are unlocked if the fire alarm system is activated; motion sensors; access push buttons (entrance push button call); and door contacts and door contacts with audio alarm. The access control system shall be integrated into the CCTV system and DVR so as to display and record activity at the door that is in alarm. Access control system shall provide for independent scheduling capability for individual doors, with each door independently programmable to be open or secured at independent times.

The access control system shall be interconnected with the building fire alarm system in such a manner as to cause all door locks controlled by the security system to unlock upon activation of the building fire alarm system to allow emergency response personnel unrestricted access. Coordinate this interconnection with the fire alarm system vendor/installer.

d. System operation shall be as follows (Typical for A Wing and B Wing):

(1) 1st Floor: Provide magnetic locks and alarm at main entrance doors shown with Entrance pushbutton call (EPC) stations. These doors shall be electronically unlocked by the security system by personnel at the monitoring station upon identification via the CCTV system. Provide sensor device at interior of these doors to release locks for personnel exiting the building. Provide door contacts for all other 1st floor doors as indicated. Provide audio alarms at all 1st floor doors with the exception of main entrance doors. These alarms shall activate if a door is violated. If a door contact produces an alarm at the monitoring station and a camera is positioned to view that door, the camera shall project a real time image at the video monitor and the DVR shall record activity at the door. All other cameras will maintain recording procedures.

(2) 2nd Floor: Provide cameras and door contacts for second floor as indicated. Provide audio alarm device at each of these doors to sound when the door is violated. If a door contact produces an alarm at the monitoring station and a camera is positioned to view that door, the camera shall project a real time image at the video monitor and the DVR shall record activity at the door. All other cameras will maintain recording procedures.

(3) 3rd Floor: Provide cameras and door contacts for third floor as indicated. Provide audio alarm device at each of these doors to sound when the door is violated. If a door contact produces an alarm at the monitoring station and a camera is positioned to view that door, the camera shall project a real time image at the video monitor and the DVR shall record activity at the door. All other cameras will maintain recording procedures.

e. After completion of all required work, conduct an operational demonstration of the system. Correct all punch list and repeat the demonstration.

--End of Amendment--